

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION

ADDENDUM NO. 1 TO  
ORDER NO. R9-2003-0306

WASTE DISCHARGE REQUIREMENTS  
FOR THE PRIMA DESHECHA LANDFILL.  
COUNTY OF ORANGE  
ORANGE COUNTY

The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board) finds that:

1. In July 2002, the County of Orange submitted a Report of Waste Discharge (ROWD) in the form of a Joint Technical Document (JTD) including the proposed development plans for Zone 1, Phases B, C, and D, of the Prima Deshecha Landfill. The Regional Board continued to receive revisions and addenda to the ROWD through August 2003. The design includes the construction of three new waste cells and the use of an engineered alternative liner system. The ROWD proposed to increase the permitted lined acreage of the Zone 1 waste management unit (WMU) to a total of 271 acres of refuse fill area.
2. On November 12, 2003, this Regional Board adopted Order No. R9-2003-0306, **“Waste Discharge Requirements for the County of Orange, Prima Deshecha Canada Sanitary Landfill, Orange County.”** Order No. R9-2003-0306 updated Order No. 89-102 and requirements for the disposal of municipal solid waste at the Prima Deshecha Landfill.
3. On December 9, 2003 the Regional Board received an amendment to the JTD (version 2002) proposing to modify the original liner system. The proposed modification is in the leachate collection and removal system (LCRS) to reduce the gravel layer design from a minimum thickness of 12-inches to a minimum thickness of 9-inches.
4. The JTD (dated July 2002) includes technical data and analyses that support the proposed modification to the LCRS design in Order R9-2003-0306. According to results of the technical analysis provided to the Regional Board by the County of Orange (the Discharger); the performance of the modified LCRS design would meet the performance requirements of California Code of Regulations (CCR) Title 27, Section 20340 and result in a net savings of over \$60,000 in construction costs.

5. Sections 25143.1.5 and 25150.7 of the California Health and Safety Code were amended in 2004 specifying conditions whereby treated wood waste may be discharged into a composite lined portion of a solid waste landfill unit equipped with an engineered alternative liner and leachate collection and removal system.
6. "Treated wood" means wood that has been treated with a chemical preservative for the purposes of protecting wood against insects, microorganisms, fungi, and other environmental conditions that can lead to decay of the wood and the chemical preservative is registered pursuant to the Federal Insecticide, Fungicide, and Rodenticide Act (7 U.S.C. Sec. 136 and following). This may include but is not limited to waste wood that has been treated with chromated copper arsenate (CCA), pentachlorophenol, creosote, acid copper chromate (ACC), ammoniacal copper arsenate (ACA), ammoniacal copper zinc arsenate (ACZA), or chromated zinc chloride (CZC).
7. Treated wood waste, previously treated with a preservative, that has been removed from electric, gas, or telephone service, does not include wood waste that is subject to regulation as a hazardous waste under the federal act.
8. Treated wood must be managed to ensure consistency with Sections 25143.1.5 and 25150.7 of the Health and Safety Code and if a verified release is detected from the cell unit where treated wood is disposed, the disposal of treated wood will be terminated at the unit with the verified release until corrective action ceases the release.
9. In September 2004, the State Water Resources Control Board (SWRCB) adopted regulations that require electronic submittal of information (ESI) for groundwater cleanup programs. These regulations gained approval from the Office of Administrative Law (OAL) in November 2004. Beginning January 1, 2005, electronic submittal of these items and a portable data format (PDF) copy of the full report is being extended to include landfill programs. These regulations also added new data dictionaries (the format for electronic data submittals) to California Code of Regulations, Title 27 (27 CCR), in coordination with existing Cal/EPA Unified Program data dictionaries.
10. Beginning July 1, 2005, submittal of a complete copy of a report in PDF format into the Geotracker database will replace the paper copy requirements of these reports. The electronic copy is intended to replace the need for a paper copy and will be used for all public information requests, regulatory review, and compliance /enforcement activities.
11. In order to address current State and Regional Board policies and regulations, this addendum updates the findings and requirements of waste discharge requirements of Order R9-2003-0306 and Monitoring and Reporting Program No. R9-2003-0306.


12. The Prima Deshecha Landfill is an existing facility and as such is exempt from the provisions of the California Environmental Quality Act in accordance with Title 14, California Code of Regulations, Chapter 3, Article 19, Section 15301.
13. The Regional Board has considered all water resource related environmental factors associated with the discharge of waste associated with the Prima Deshecha Landfill.
14. The Regional Board has notified interested parties of its intent to amend waste discharge requirements for the Prima Deshecha Landfill.
15. The Regional Board, in a public meeting heard and considered all comments pertaining to the Prima Deshecha Landfill.

**IT IS HEREBY ORDERED**, that Order No. R9-2003-0306 be amended as follows:

1. Add Prohibition A.23 to Order R9-2003-0306 as follows:
  - A. 23. The discharge of any treated-wood wastes, previously treated with a preservative, that has been removed from electric, gas, or telephone service and is subject to regulation as a hazardous waste under the federal act is prohibited.
2. Replace Discharge Specification B.38 (LINER SYSTEM) with the following:
  - B. 38 The engineered alternative liner used for the bottom of the waste management unit (with gradients less than 5:1) in Zone 1 shall be constructed to meet the following design criteria (from bottom to top): a dendritic array of subdrain collection trenches lines with 12-ounce geotextile and filled with gravel; a minimum one-foot thick compacted, low-permeability soil layer with a hydraulic conductivity of less than or equal to  $1 \times 10^{-6}$  cm/sec; an 80-mil HDPE geomembrane (textured both sides); a 12-ounce geotextile; a minimum 9-inch thick LCRS layer with a redundant dendritic array of collection pipes; an 8-ounce geotextile; and a minimum two-foot thick protective cover soil.
3. Add Discharge Specifications B.57, B.58 and B.59 to Order R9-2003-0306 as follows:
  - B. 57. Treated wood wastes may only be discharged into composite-lined waste management unit meeting all the requirements for a composite liner system and collection and removal of leachate as required by Discharge Specifications B.37 through B.44 of this Order.

- B. 58. If monitoring at the composite-lined portion of a landfill unit at which treated wood waste has been disposed of indicates a verified release, then treated wood waste shall no longer be discharged to that landfill unit until corrective action results in cessation of the release.
- B. 59. The Discharger shall manage and dispose of treated wood in accordance with all requirements of California Health and Safety Code Sections 25143.1.5 and 25150.7.
4. Add Monitoring Provision A.11 to Monitoring and Reporting Program (MRP) No. R9-2003-0306 as follows:
- A. 11. After July 1, 2005, the Discharger shall submit any reports required by this Order electronically, in accordance with section 3890 *et. seq.* of the California Code of Regulations, Title 23, Division 3. The Discharger shall also continue to provide complete paper copies of all reports to this Regional Board.
5. Revise the first paragraph of MRP No. R9-2003-0306, Section J. Reports to be Filed with the Board to read as follows:
- “All reports shall be submitted electronically (after July 1, 2005) no later than one month following the end of their respective Reporting Period. The reports shall be comprised of at least the following in addition to the specific contents listed for each respective report type:”
6. Revise the first sentence of MRP No. R9-2003-0306, Section K. Reporting to read as follows:
- “Monitoring reports shall be submitted electronically in accordance with the following schedule:”

I, John H. Robertus, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on June 8, 2005.

  
JOHN H. ROBERTUS  
Executive Officer